

CLAIMS

1 Transparent composition comprising, by weight,
5 the total being 100%:

- 5 to 40% of an amorphous polyamide (B) which results essentially from the condensation of at least one optionally cycloaliphatic diamine, of at least one aromatic diacid and optionally of at least one monomer
10 chosen from:
 - α,ω -aminocarboxylic acids,
 - aliphatic diacids,
 - aliphatic diamines,
- 0 to 40% of a supple polyamide (C) chosen from
15 copolymers containing polyamide blocks and polyether blocks and copolyamides,
- 0 to 20% of a compatibilizer (D) for (A) and (B),
- (C)+(D) is between 2% and 50%,
- with the condition that (B)+(C)+(D) is not less than
20 30%,
- the difference to 100% being a semi-crystalline polyamide (A).

2 Composition according to Claim 1, in which (A) is derived from the condensation of a lactam containing at
25 least 9 carbon atoms, of an α,ω -aminocarboxylic acid containing at least 9 carbon atoms or of a diamine and a diacid such that the diamine or the diacid contains at least 9 carbon atoms.

3 Composition according to Claim 1 or 2, in which
30 (A) is PA 11 or PA 12.

4 Composition according to any one of the preceding claims, in which (A) is an equilibrated polyamide.

5 5 Composition according to any one of the preceding claims, in which the amorphous polyamide (B) comprises a cycloaliphatic diamine.

6 6 Composition according to any one of the preceding claims, in which (C) is a copolymer containing polyamide blocks and polyether blocks.

7 7 Composition according to Claim 6, in which the copolymer containing polyamide blocks and polyether blocks consists of PA 6 or PA 12 blocks and the polyether blocks are PTMG blocks.

8 8 Composition according to any one of Claims 1 to 5, in which (C) is a copolyamide.

9 9 Composition according to any one of the preceding claims, in which (A) is PA 12 and (D) is PA 11.

10 10 Composition according to any one of the preceding claims, in which the compatibilizer (D) is a catalysed polyamide.

11 11 Composition according to any one of the preceding claims in which (A) is PA 12 and (D) is catalysed PA 11.

20 12 Composition according to any one of Claims 1 to 11, in which the proportion of (B) is between 10% and 40%.

13 13 Composition according to Claim 12, in which the proportion of (B) is between 20% and 40%.

25 14 Composition according to any one of the preceding claims, in which the proportion of (C)+(D) is between 5% and 40%.

15 15 Composition according to Claim 14, in which the proportion of (C)+(D) is between 10% and 40%.

30 16 Articles consisting of a composition according to any one of the preceding claims, such as plates, films, sheets, tubes and profiles, to the articles obtained by injection-moulding and in particular to the films and sheets which are then bonded onto skis.

17 Articles according to ~~Claim~~ 16, which are decorated, for example, by sublimation, and coated with a transparent protective layer consisting of the composition according to any one of Claims 1 to 15.

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